WEST Search History

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DATE: Wednesday, March 16, 2005

Hide?	Set Name	Query	Hit Count
		DB=USPT; PLUR=YES; OP=ADJ	
☐	L2	vector and (pBIGRZ or pIG121Hm)	9
		DB=PGPB,USPT,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ	
☐	L1	vector and NOS and NPT? and 35S and HPT	23

END OF SEARCH HISTORY

03/16/05

10/019783

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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
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NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	FEB 25	CA/CAPLUS - Russian Agency for Patents and Trademarks (ROSPATENT) added to list of core patent offices covered
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005
NEWS	19	FEB 16	STN User Update to be held in conjunction with the 229th ACS National Meeting on March 13, 2005
NEWS	20	FEB 28	PATDPAFULL - New display fields provide for legal status data from INPADOC
NEWS	21	FEB 28	BABS - Current-awareness alerts (SDIs) available
NEWS	22	FEB 28	MEDLINE/LMEDLINE reloaded
NEWS	23	MAR 02	GBFULL: New full-text patent database on STN
NEWS	24	MAR 03	REGISTRY/ZREGISTRY - Sequence annotations enhanced
NEWS	25	MAR 03	MEDLINE file segment of TOXCENTER reloaded

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NEWS HOURS	STN Operating Hours Plus Help Desk Availability
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* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:00:11 ON 16 MAR 2005

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'STNGUIDE' ENTERED AT 10:00:17 ON 16 MAR 2005
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FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Mar 11, 2005 (20050311/UP).

=> file caplus biosis agricola medline patents
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.06	0.27

FILE 'CAPLUS' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'MEDLINE' ENTERED AT 10:01:05 ON 16 MAR 2005

FILE 'CAOLD' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'CASREACT' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'DPCI' ENTERED AT 10:01:05 ON 16 MAR 2005
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COPYRIGHT (C) 2005 INPI

FILE 'FRFULL' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 Univentio

FILE 'FSTA' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 International Food Information Service

FILE 'IFIPAT' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 IFI CLAIMS(R) Patent Services (IFI)

FILE 'IMSPATENTS' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'INPADOC' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 European Patent Office, Vienna (EPO)

FILE 'JAPIO' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 Japanese Patent Office (JPO)- JAPIO

FILE 'KOREAPAT' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 KIPI

FILE 'LITALERT' ENTERED AT 10:01:05 ON 16 MAR 2005
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Paperchem2 compilation and indexing (C) 2005
Elsevier Engineering Information Inc. All rights reserved.

FILE 'PATDD' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'PATDPA' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (c) 2005 Deutsches Patent- und Markenamt / FIZ Karlsruhe (DPMA/FIZ KA)

FILE 'PATDPAFULL' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 DPMA

FILE 'PCTFULL' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'PCTGEN' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 WIPO

FILE 'PIRA' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 Pira International

FILE 'PROUSDDR' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 Prous Science

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FILE 'PS' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'RAPRA' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'RDISCLOSURE' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 Kenneth Mason Publications Ltd.

FILE 'SYNTHLINE' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'TULSA' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 The University of Tulsa (UTULSA)

FILE 'TULSA2' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 The University of Tulsa (UTULSA)

FILE 'USPATFULL' ENTERED AT 10:01:05 ON 16 MAR 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 10:01:05 ON 16 MAR 2005
CA INDEXING COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'WPIDS' ENTERED AT 10:01:05 ON 16 MAR 2005
COPYRIGHT (C) 2005 THE THOMSON CORPORATION

FILE 'WPIFV' ENTERED AT 10:01:05 ON 16 MAR 2005
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FILE 'WPINDEX' ACCESS NOT AUTHORIZED

=> s nicotianamine ( w) amine (w) transferase
MISSING OPERATOR 'TIANAMINE ( W'
The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s ((nicotianamine (w) amine (w) transferase) or NAAT) (3a) (gene or nucleic or
DNA or vector or nucleotide or cDNA)
   1 FILES SEARCHED...
   7 FILES SEARCHED...
   8 FILES SEARCHED...
  15 FILES SEARCHED...
  25 FILES SEARCHED...
  26 FILES SEARCHED...
  27 FILES SEARCHED...
  36 FILES SEARCHED...
L1          107 ((NICOTIANAMINE (W) AMINE (W) TRANSFERASE) OR NAAT) (3A) (GENE
                OR NUCLEIC OR DNA OR VECTOR OR NUCLEOTIDE OR CDNA)

=> s l1 and (transgenic or transform?) (3a) (plant or barley or rice or maize or
corn or cereal? or grass? or gramineae? or monocot?)
   1 FILES SEARCHED...
   2 FILES SEARCHED...
   7 FILES SEARCHED...
   8 FILES SEARCHED...
  17 FILES SEARCHED...
  25 FILES SEARCHED...
  36 FILES SEARCHED...
L2           24 L1 AND (TRANSGENIC OR TRANSFORM?) (3A) (PLANT OR BARLEY OR
                RICE OR MAIZE OR CORN OR CEREAL? OR GRASS? OR GRAMINEAE? OR
```

MONOCOT?)

=> remov dup l2
DUP IS NOT VALID HERE
The DELETE command is used to remove various items stored by the system.

To delete a saved query, saved answer set, saved L-number list, SDI request, batch request, mailing list, or user-defined cluster, format, or search field, enter the name. The name may include ? for left, right, or simultaneous left and right truncation.

Examples:

```
DELETE BIO?/Q           - delete query names starting with BIO
DELETE ?DRUG/A          - delete answer set names ending with DRUG
DELETE ?ELEC?/L         - delete L-number lists containing ELEC
DELETE ANTICOAG/S       - delete SDI request
DELETE ENZYME/B         - delete batch request
DELETE .MYCLUSTER       - delete user-defined cluster
DELETE .MYFORMAT        - delete user-defined display format
DELETE .MYFIELD         - delete user-defined search field
DELETE NAMELIST MYLIST - delete mailing list
```

To delete an ordered document or an offline print, enter its number.

Examples:

```
DELETE P123001C         - delete print request
DELETE D134002C         - delete document order request
```

To delete an individual L-number or range of L-numbers, enter the L-number or L-number range. You may also enter DELETE LAST followed by a number, n, to delete the last n L-numbers. RENUMBER or NORENUMBER may also be explicitly specified to override the value of SET RENUMBER.

Examples:

```
DELETE L21              - delete a single L-number
DELETE L3-L6            - delete a range of L-numbers
DELETE LAST 4           - delete the last 4 L-numbers
DELETE L33-             - delete L33 and any higher L-number
DELETE -L55             - delete L55 and any lower L-number
DELETE L2-L6 RENUMBER - delete a range of L-numbers and
                          renumber remaining L-numbers
DELETE RENUMBER         - renumber L-numbers after deletion of
                          intermediate L-numbers
```

Entire sets of saved items, SDI requests, batch requests, user-defined items, or E-numbers can be deleted.

Examples:

```
DELETE SAVED/Q - delete all saved queries
DELETE SAVED/A - delete all saved answer sets
DELETE SAVED/L - delete all saved L-number lists
DELETE SAVED   - delete all saved queries, answer sets,
                 and L-number lists
DELETE SAVED/S - delete all SDI requests
DELETE SAVED/B - delete all batch requests
```

```
  DELETE CLUSTER - delete all user-defined clusters
  DELETE FORMAT  - delete all user-defined display formats
  DELETE FIELD   - delete all user-defined search fields
  DELETE SELECT  - delete all E-numbers
  DELETE HISTORY - delete all L-numbers and restart the
                   session at L1

To delete an entire multifile SDI request, enter DELETE and
the name of the request.  To delete a component from the
multifile SDI, enter DELETE and the name of the component.

=> dup remov l2
DUPLICATE IS NOT AVAILABLE IN 'CAOLD, DGENE, DPCI, IMSPATENTS, LITALERT,
PCTGEN, PROUSDDR, PS, RDISCLOSURE, SYNTHLINE'.
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE
PROCESSING COMPLETED FOR L2
L3            16 DUP REMOV L2 (8 DUPLICATES REMOVED)

=> s l3 not PY>1999
   8 FILES SEARCHED...
  10 FILES SEARCHED...
  17 FILES SEARCHED...
  25 FILES SEARCHED...
  27 FILES SEARCHED...
'1999' NOT A VALID FIELD CODE
  38 FILES SEARCHED...
L4            1 L3 NOT PY>1999

=> d l4 1

L4   ANSWER 1 OF 1  WPIDS  COPYRIGHT 2005 THE THOMSON CORP on STN
AN   1989-249008 [34]   WPIDS
CR   1991-164219 [22]
DNC  C1989-110985
TI   New pure N-alpha-acetyl transferase and DNA encoding it - catalysing
     acetylation of proteins and peptide(s), e.g. to stabilise pharmaceuticals
     or induce herbicide resistance in plants.
DC   B04 D16
IN   LEE, F S; SMITH, J A; LEE, F J S
PA   (GEHO) GEN HOSPITAL CORP
CYC  22
PI   WO 8907138      A  19890810 (198934)* EN   72
         W: AU DK JP KR
     EP 334004       A  19890927 (198939)  EN
         R: AT BE CH DE ES FR GB GR IT LI LU NL SE
     PT 89611        A  19891004 (198945)
     AU 8931969      A  19890825 (198947)
     ZA 8900896      A  19891025 (198948)
     US 4966848      A  19901030 (199046)
     DK 9001863      A  19900803 (199050)
     JP 03502403     W  19910606 (199129)
     US 5128459      A  19920707 (199230)       31    C12N015-54
     EP 334004       B1 19931118 (199346)  EN   42    C12N009-10
         R: AT BE CH DE ES FR GB GR IT LI LU NL SE
     DE 68910713     E  19931223 (199401)             C12N009-10
     US 5283188      A  19940201 (199406)       31    C12N009-10
     ES 2061745      T3 19941216 (199505)             C12N009-10
ADT  WO 8907138 A WO 1989-US471 19890207; EP 334004 A EP 1989-102006 19890206;
     ZA 8900896 A ZA 1989-896 19890206; US 4966848 A US 1988-284344 19881214;
     JP 03502403 W JP 1989-502776 19890207; US 5128459 A CIP of US 1988-153361
     19880208, Div ex US 1988-284344 19881214, US 1990-533353 19900605; EP
     334004 B1 EP 1989-102006 19890206; DE 68910713 E DE 1989-610713 19890206,
```

EP 1989-102006 19890206; US 5283188 A CIP of US 1988-153361 19880208, Div ex US 1988-284344 19881214, Div ex US 1990-533353 19900605, US 1992-863023 19920403; ES 2061745 T3 EP 1989-102006 19890206
FDT US 5128459 A Div ex US 4966848; DE 68910713 E Based on EP 334004; US 5283188 A Div ex US 4966848, Div ex US 5128459; ES 2061745 T3 Based on EP 334004
PRAI US 1988-153361 19880208; US 1988-284344 19881214
IC ICM C12N009-10; C12N015-54
ICS A01H001-00; A01H005-00; C12N005-00; C12N015-55; C12N015-74; C12N015-79; C12N015-81; C12P019-34

=> d l3 1-16

L3 ANSWER 1 OF 16 IFIPAT COPYRIGHT 2005 IFI on STN DUPLICATE 1
AN 10586412 IFIPAT;IFIUDB;IFICDB
TI DEOXYMUGINEIC ACID SYNTHASE AND GENE THEREOF
IN Mori Satoshi (JP); Negishi Takashi (JP); Nishizawa Naoko (JP)
PA Unassigned Or Assigned To Individual (68000)
PI US 2004093634 A1 20040513
AI US 2003-399608 20030418
WO 2002-JP1940 20020304
20030418 PCT 371 date
20030418 PCT 102(e) date
PRAI JP 2001-86162 20010323
FI US 2004093634 20040513
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION
CLMN 14
GI 11 Figure(s).
FIG. 1 shows the biosynthetic pathways of mugineic acid and derivatives thereof in Graminae plants.
FIG. 2 is a photo in place of a drawing showing that three amplified fragments are obtained by PCR using degenerate primers.
FIG. 3 is photos in place of drawings showing the results of Northern blot analyses of shoot and root portions of barley in iron-deficient (for 2 weeks) and iron-sufficient groups. 1, 2, and 3 are those using 200, 500, and 700 bp PCR fragments, respectively.
FIG. 4 shows the results of measuring reductase activities of the invention by HPLC, in which the value of reductase activity is measured as the quantity of DMA by HPLC. 1, 2, 3, 4, 5, 6, and 7 show the cases of DMA alone, reductase gene1, reductase gene2, reductase gene5, reductase gene7, **NAAT**+NaBH4, and **vector** control (PYH23), respectively.
FIG. 5 is photos in place of drawings showing the results of Northern blot analyses where the changes at elapsed times were examined for response of the reductase genes of the invention to iron-deficiency. The experiments were carried out using the barley roots on the 0, 2, 4, 7, 14th days of the iron-deficient treatment and on the 5th day of restart giving iron after the 14 days' iron-deficient treatment. 1 and 2 show the cases of the reductase genes 1 and 2 (5), respectively.
FIG. 6 shows the cDNA base sequence and the deduced amino acid sequence of the reductase gene 1 of the invention.
FIG. 7 shows the cDNA base sequence and the deduced amino acid sequence of the reductase gene 2 of the invention.
FIG. 8 shows the cDNA base sequence and the deduced amino acid sequence of the reductase gene 5 of the invention.
FIG. 9 shows comparison of the amino acid sequences of the reductase gene 1, the reductase gene 2(5) of the invention, and glutathione reductase of the rice.
FIG. 10 is a photo in place of a drawing showing the response expressed

against metal stress of the reductase gene of the invention and the glutathione reductase gene. In FIG. 10, DMAS and GR mean the reductase gene of the invention and the glutathione reductase gene, respectively. R and S mean the root and shoot (leaf, stem, etc.) portions, respectively.

FIG. 11 shows the amino acid sequences of the probe regions used when examining the response expressed against metal stress of the reductase gene of the invention and the glutathione reductase gene. In FIG. 11, DMAS1 and DMAS2 mean the reductase genes of the invention, and GR means the glutathione reductase gene. Also in FIG. 11, the upper part enclosed with a slender box denotes the probe region used when observing the response of GR to the metals, and the part from upper to lower enclosed with a wide box denotes the probe regions used when observing the response of DMAS to the metals.

L3 ANSWER 2 OF 16 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

AN 2002:31536 EPFULL
DUPD 20021127 DUPW 200248
TIEN DEOXYMUGINEIC ACID SYNTHASE AND GENE THEREOF.
TIFR SYNTHASE D'ACIDE DESOXYMUGINEIQUE ET GENE DE CETTE SYNTHASE.
IN NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP;
MORI, Satoshi, 5-32-2-206, Hongo, Bunkyo-ku, Tokyo 113-0033, JP;
NEGISHI, Takashi, 1-17-18-202, Shiba, Kawaguchi-shi, Saitama 333-0866, JP
PA JAPAN SCIENCE AND TECHNOLOGY CORPORATION, 1-8, Hon-cho 4-chome, Kawaguchi-shi, Saitama 332-0012, JP
PAN 2211031
LAF Japanese
LA English
LAP English
TL English; French
DT Patent
PIT WOA1 International application published with search report
PI WO 2002077240 A1 20021003
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR
AI EP 2002-702724 A 20020304
WO 2002-JP1940 A 20020304
PRAI JP 2001-86162 A 20010323
IC.VER 7
ICM C12N015-53
ICS C12N009-02; C12N005-10; A01H005-00

AN 2002:31536 EPFULL UP 20050309
DUPD 20050309 DUPW 200510
TIEN DEOXYMUGINEIC ACID SYNTHASE AND GENE THEREOF.
TIFR SYNTHASE D'ACIDE DESOXYMUGINEIQUE ET GENE DE CETTE SYNTHASE.
TIDE DESOXYMUGENSAeURE-SYNTHASE UND DEREN GEN.
IN NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP;
MORI, Satoshi, 5-32-2-206, Hongo, Bunkyo-ku, Tokyo 113-0033, JP;
NEGISHI, Takashi, 1-17-18-202, Shiba, Kawaguchi-shi, Saitama 333-0866, JP
PA Japan Science and Technology Agency, 4-1-8, Honcho, Kawaguchi-shi Saitama, JP
PAN 4670711
AG Cresswell, Thomas Anthony, J.A. KEMP & CO. 14 South Square Gray's Inn, London WC1R 5JJ, GB
AGN 50351
LAF Japanese
LA English
LAP English
TL German; English; French
DT Patent

PIT EPA1 Application published with search report
PI EP 1380647 A1 20040114
WO 2002077240 20021003
DS BE ES IT PT
AI EP 2002-702724 A 20020304
WO 2002-JP1940 A 20020304
PRAI JP 2001-86162 A 20010323
IC.VER 7
ICM C12N015-53
ICS C12N009-02; C12N005-10; A01H005-00

L3 ANSWER 3 OF 16 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

AN 1999:37763 EPFULL
DUPD 20001129 DUPW 200048
TIEN NICOTIANAMINE SYNTHASE AND GENE ENCODING THE SAME.
TIFR NICOTIANAMINE SYNTHASE ET GENE CODANT CETTE DERNIERE.
IN MORI, Satoshi, 6-7-2-301, Yatsu Narashino-shi, Chiba-ken 275-0026, JP;
HIGUCHI, Kyoko, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;
SUZUKI, Kazuya, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;
NISHIZAWA, Naoko, 1-37-9-705, Hakusan Bunkyo-ku, Tokyo 113-0001, JP;
NAKANISHI, Hiromi, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP
PA Japan Science and Technology Corporation, 1-8, Honcho 4-chome,
Kawaguchi-shi, Saitama-ken 332-0012, JP
PAN 2211035
LAF Japanese
LA English
LAP English
TL English; French
DT Patent
PIT WOA1 International application published with search report
PI WO 9957249 A1 19991111
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
AI EP 1999-918274 A 19990430
WO 1999-JP2305 A 19990430
PRAI JP 1998-137685 A 19980430
IC.VER 7
ICM C12N009-00
ICS C12N015-52; C12P013-04; C07K016-40

AN 1999:37763 EPFULL
DUPD 20040414 DUPW 200416
TIEN NICOTIANAMINE SYNTHASE AND GENE ENCODING THE SAME.
TIFR NICOTIANAMINE SYNTHASE ET GENE CODANT CETTE DERNIERE.
TIDE NICOTIANAMIN SYNTHASE UND FUeR DIESE KODIERENDES GEN.
IN MORI, Satoshi, 6-7-2-301, Yatsu Narashino-shi, Chiba-ken 275-0026, JP;
HIGUCHI, Kyoko, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;
SUZUKI, Kazuya, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;
NISHIZAWA, Naoko, 1-37-9-705, Hakusan Bunkyo-ku, Tokyo 113-0001, JP;
NAKANISHI, Hiromi, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP
PA Japan Science and Technology Agency, 4-1-8-, Honcho, Kawaguchi-shi
Saitama, JP
PAN 4670711
AG Cresswell, Thomas Anthony, et al, J.A. KEMP & CO. 14 South Square Gray's
Inn, London WC1R 5JJ, GB
AGN 50351
LAF Japanese
LA English
LAP English
TL German; English; French
DT Patent
PIT EPA1 Application published with search report

PI EP 1077255 A1 20010221
WO 9957249 19991111
DS DE ES FR GB IT NL
AI EP 1999-918274 A 19990430
WO 1999-JP2305 A 19990430
PRAI JP 1998-137685 A 19980430
IC.VER 7
ICM C12N015-54
ICS C12N015-82; C12N009-10; C12N005-10; A01H005-00

AN 1999:37763 EPFULL
DUPD 20040922 DUPW 200439
TIEN NICOTIANAMINE SYNTHASE AND GENE ENCODING THE SAME.
TIFR NICOTIANAMINE SYNTHASE ET GENE CODANT CETTE DERNIERE.
TIDE NICOTIANAMIN SYNTHASE UND FUeR DIESE KODIERENDES GEN.
IN MORI, Satoshi, 6-7-2-301, Yatsu Narashino-shi, Chiba-ken 275-0026, JP;
HIGUCHI, Kyoko, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;
SUZUKI, Kazuya, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP;
NISHIZAWA, Naoko, 1-37-9-705, Hakusan Bunkyo-ku, Tokyo 113-0001, JP;
NAKANISHI, Hiromi, 1-1-1, Yayoi Bunkyo-ku, Tokyo 113-0032, JP
PA Japan Science and Technology Agency, 4-1-8, Honcho, Kawaguchi-shi
Saitama, JP
PAN 4670711
AG Cresswell, Thomas Anthony, et al, J.A. KEMP & CO. 14 South Square Gray's
Inn, London WC1R 5JJ, GB
AGN 50351
LAF Japanese
LA English
LAP English
TL German; English; French
DT Patent
PIT EPB1 Granted patent
PI EP 1077255 B1 20040922
WO 9957249 19991111
DS DE ES FR GB IT NL
AI EP 1999-918274 A 19990430
WO 1999-JP2305 A 19990430
PRAI JP 1998-137685 A 19980430
REN HIGUCHI, K., ET AL.: "Purification and characterization of nicotianamine synthase from Fe-deficient barley roots" PLANT SOIL, vol. 165, 1994, pages 173-179, XP000866258;

HIGUCHI, K., ET AL.: "The role of nicotianamine synthase in response to Fe nutrition status in Graminae" PLANT SOIL, vol. 178, 1996, pages 171-177, XP000866267;

S MORI: "Reevaluation of the genes induced by iron deficiency in barley roots" SOIL SCIENCE AND PLANT NUTRITION,JP,TOKYO, no. 43, 1997, page 975-980 XP002076369 ISSN: 0038-0768;

LING, H.-Q., ET AL.: "Genetic analysis of two tomato mutants affected in the regulation of iron metabolism" MOLECULAR AND GENERAL GENETICS, vol. 252, 1996, pages 87-92, XP002127297;

HIGUCHI, K., ET AL.: "Absence of nicotianamine synthase activity in the tomato mutant chloronerva" JOURNAL OF PLANT NUTRITION, vol. 19, no. 8-9, 1996, pages 1235-1239, XP000866559;

MORI ET AL: "Hordeum vulgare hvnas1 mRNA for nicotianamine synthase 1, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169700;

MORI ET AL: "Hordeum vulgare hvnas2 mRNA for nicotianamine synthase 2, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169701;

MORI ET AL: "Hordeum vulgare hvnas3 mRNA for nicotianamine synthase 3, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169702;

MORI ET AL: "Hordeum vulgare hvnas4 mRNA for nicotianamine synthase 4, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169703;

MORI ET AL: "Hordeum vulgare hvnas5 mRNA for nicotianamine synthase 5, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169704;

MORI ET AL: "Hordeum vulgare hvnas6 mRNA for nicotianamine synthase 6, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002127293;

MORI ET AL: "Hordeum vulgare hvnas7 mRNA for nicotianamine synthase 7, complete cds" EMBL NUCLEOTIDE SEQUENCE,XX,XX, 5 February 1999 (1999-02-05), XP002169705;

HIGUCHI ET AL: "Cloning of nicotianamine synthase genes, novel genes involved in the biosynthesis of phytosiderophores" PLANT PHYSIOLOGY,AMERICAN SOCIETY OF PLANT PHYSIOLOGISTS, ROCKVILLE, MD,US, vol. 119, February 1999 (1999-02), pages 471-479, XP002127294 ISSN: 0032-0889;

DATABASE EMBL SEQUENCE LIBRARY [Online] 5 February 1999 (1999-02-05) SUZUKI, K. AND MORI, S.: "Nicotianamine synthase from Arabidopsis thaliana" XP002169706;

DATABASE EMBL SEQUENCE LIBRARY [Online] 5 February 1999 (1999-02-05) SUZUKI, K AND MORI, S.: "Nicotianamine synthase from Arabidopsis thaliana" XP002169707;

DATABASE EMBL DATABASE-TRANSLATED [Online] 1 November 1998 (1998-11-01) VYSOTSKAIA, V.S., ET AL. : "Arabidopsis thaliana chromosome 1 BAC T12M4 sequence, complete sequence" XP002169708;

DATABASE EMBL SEQUENCE LIBRARY [Online] 5 February 1999 (1999-02-05) SUZUKI, K. AND MORI, S.: "Nicotianamine synthase from Arabidopsis thaliana" XP002169709;

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PLANT PHYSIOLOGY, Volume 119, Number 2, issued February 1999, KYOKO HIGUCHI et al., "Cloning of Nicotianamine Synthase Genes, Novel Genes Involved in the Biosynthesis of Phytosiderophores", pages 471-479, XP002919795;

DATABASE GENBANK, Accession No. AB019525, 11 February 1999, MORI S. and HIGUCHI K., "Hordeum Vulgare Hvnas7 mRNA for Nicotianamine Synthase 7, Complete Cds", XP002947405;

DATABASE GENBANK, Accession No. AB021746, 30 March 1999, Higuchi K., "Oryza Sativa Osnas1 mRNA for Nicotianamine Synthase 1, Complete Cds", XP002947406;

DATABASE GENBANK, Accession No. AB021934, 11 February 1999, SUZUKI K. and MORI S., "Arabidopsis Thaliana Gene for Nicotianamine Synthase, Complete Cds", XP002947407

REP WO 9960107 A
IC.VER 7
ICM C12N015-54
ICS C12N015-82; C12N009-10; C12N005-10; A01H005-00

L3 ANSWER 4 OF 16 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2003000898 PCTFULL ED 20030115 EW 200301
TIEN PLANT GENES INVOLVED IN DEFENSE AGAINST PATHOGENS
TIFR GENES DE PLANTES INTERVENANT DANS LA DEFENSE CONTRE DES PATHOGENES
IN CHANG, Hur-Song, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];
CHEN, Wenqiong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];
COOPER, Bret, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US];
GLAZEBROOK, Jane, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US];

GOFF, Stephen, Arthur, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US];
HOU, Yu-Ming, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];
KATAGIRI, Fumiaki, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [JP, US];
QUAN, Sheng, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];
TAO, Yi, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];
WHITHAM, Steve, 4025 Berkshire Avenue, Ames, IA 50010, US [US, US];
XIE, Zhiyi, Apartment 225, 8933 Lombard Place, San Diego, CA 92122, US [CN, US];
ZHU, Tong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US];
ZOU, Guangzhou, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US]

PA SYNGENTA PARTICIPATIONS AG, Schwarzwaldallee 215, CH-4058 Basel, CH [CH, CH], for all designates States except US;
CHANG, Hur-Song, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;
CHEN, Wenqiong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;
COOPER, Bret, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US], for US only;
GLAZEBROOK, Jane, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US], for US only;
GOFF, Stephen, Arthur, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [US, US], for US only;
HOU, Yu-Ming, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;
KATAGIRI, Fumiaki, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [JP, US], for US only;
QUAN, Sheng, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;
TAO, Yi, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;
WHITHAM, Steve, 4025 Berkshire Avenue, Ames, IA 50010, US [US, US], for US only;
XIE, Zhiyi, Apartment 225, 8933 Lombard Place, San Diego, CA 92122, US [CN, US], for US only;
ZHU, Tong, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only;
ZOU, Guangzhou, Torrey Mesa Research Institute, 3115 Merryfield Row, San Diego, CA 92121, US [CN, US], for US only

AG BASTIAN, Werner, c/o Syngenta Participations AG, Intellectual Property, P.O. Box, CH-4002 Basel, CH

LAF English
LA English
DT Patent
PI WO 2003000898 A1 20030103
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM
RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
AI WO 2001-IB1105 A 20010622
ICM C12N015-29

ICS C12N015-82; C12Q001-68; A01H005-00; G06F017-00; C07K014-415

L3 ANSWER 5 OF 16 USPATFULL on STN
AN 2003:331453 USPATFULL
TI Gene sequences and uses thereof in plants
IN Edgerton, Michael D., St. Louis, MO, UNITED STATES
Chomet, Paul S., Mystic, CT, UNITED STATES
Laccetti, Lucille B., Groton, CT, UNITED STATES
PI US 2003233670 A1 20031218
AI US 2002-310154 A1 20021204 (10)
PRAI US 2001-337358P 20011204 (60)
DT Utility
FS APPLICATION
LN.CNT 14098
INCL INCLM: 800/278.000
INCLS: 435/006.000; 435/069.100; 435/200.000; 435/320.100; 435/419.000; 536/023.200
NCL NCLM: 800/278.000
NCLS: 435/006.000; 435/069.100; 435/200.000; 435/320.100; 435/419.000; 536/023.200
IC [7]
ICM: A01H001-00
ICS: C12N015-82; C12Q001-68; C07H021-04; C12N009-24; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 6 OF 16 USPATFULL on STN
AN 2003:127197 USPATFULL
TI Nicotianamine synthase and gene encoding the same
IN Mori, Satoshi, Chiba-ken, JAPAN
Higuchi, Kyoko, Gunma, JAPAN
Suzuki, Kazuya, Tokyo, JAPAN
Nishizawa, Naoko, Tokyo, JAPAN
Nakanishi, Hiromi, Tokyo, JAPAN
PA Japan Science and Technology Corporation (non-U.S. corporation)
PI US 2003087410 A1 20030508
AI US 2002-281024 A1 20021025 (10)
RLI Division of Ser. No. US 2001-674337, filed on 26 Jul 2001, PENDING
DT Utility
FS APPLICATION
LN.CNT 1619
INCL INCLM: 435/193.000
INCLS: 800/279.000; 435/069.100; 435/419.000; 435/320.100; 536/023.200
NCL NCLM: 435/193.000
NCLS: 800/279.000; 435/069.100; 435/419.000; 435/320.100; 536/023.200
IC [7]
ICM: A01H001-00
ICS: C07H021-04; C12N015-82; C12N009-10; C12P021-02
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L3 ANSWER 7 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2
AN 2003:483734 CAPLUS
DN 139:258167
TI Role of nicotianamine in the intracellular delivery of metals and plant reproductive development
AU Takahashi, Michiko; Terada, Yasuko; Nakai, Izumi; Nakanishi, Hiromi; Yoshimura, Etsuro; Mori, Satoshi; Nishizawa, Naoko K.
CS Laboratory of Plant Biotechnology, University of Tokyo, Tokyo, 113-8657, Japan
SO Plant Cell (2003), 15(6), 1263-1280
CODEN: PLCEEW; ISSN: 1040-4651
PB American Society of Plant Biologists
DT Journal

LA English
RE.CNT 71 THERE ARE 71 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 8 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3
AN 2003:115036 CAPLUS
DN 139:276248
TI Overcoming Fe deficiency by a **transgenic** approach in **rice**
AU Takahashi, Michiko
CS Laboratory of Plant Biotechnology, The University of Tokyo, Tokyo, 113-8657, Japan
SO Plant Cell, Tissue and Organ Culture (2003), 72(3), 211-220
CODEN: PTCEDJ; ISSN: 0167-6857
PB Kluwer Academic Publishers
DT Journal; General Review
LA English
RE.CNT 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 9 OF 16 EPFULL COPYRIGHT 2005 EPO/FIZ KA on STN

AN 2000:62664 EPFULL
DUPD 20010307 DUPW 200110
TIEN CONSTRUCTION OF RICE TOLERANT TO IRON DEFICIENCY.
TIFR PRODUCTION DE RIZ RESISTANT AUX CARENCES EN FER.
IN MORI, Satoshi, 5-32-2-206, Hongo, unkyo-ku, Tokyo 113-0033, JP;
NAKANISHI, Hiromi, 5-32-20-308, Sendagi, Bunkyo-ku, Tokyo 113-0022, JP;
TAKAHASHI, Michiko, 3-18-4, Kohinata, Bunkyo-ku, Tokyo 112-0006, JP;
NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP
PA Japan Science and Technology Corporation, 1-8, Hon-cho 4-chome, Kawaguchi-shi, Saitama 332-0012, JP
PAN 2211031
LAF Japanese
LA English
LAP English
TL English; French
DT Patent
PIT WOA1 International application published with search report
PI WO 2001001762 A1 20010111
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
AI EP 2000-940934 A 20000704
WO 2000-JP4425 A 20000704
PRAI JP 1999-190318 A 19990705
IC.VER 7
ICM A01H005-00
ICS C12N005-14; C12N015-52

AN 2000:62664 EPFULL
DUPD 20040519 DUPW 200421
TIEN CONSTRUCTION OF RICE TOLERANT TO IRON DEFICIENCY.
TIFR PRODUCTION DE RIZ RESISTANT AUX CARENCES EN FER.
TIDE KONSTRUKTION EINER GEGENueBER EISENDEFIZIENZ TOLERANTEN REISPFLANZE.
IN MORI, Satoshi, 5-32-2-206, Hongo, unkyo-ku, Tokyo 113-0033, JP;
NAKANISHI, Hiromi, 5-32-20-308, Sendagi, Bunkyo-ku, Tokyo 113-0022, JP;
TAKAHASHI, Michiko, 3-18-4, Kohinata, Bunkyo-ku, Tokyo 112-0006, JP;
NISHIZAWA, Naoko, 1-37-9-705, Hakusan, Bunkyo-ku, Tokyo 113-0001, JP
PA Japan Science and Technology Agency, 4-1-8-, Honcho, Kawaguchi-shi Saitama, JP
PAN 4670711

AG Cresswell, Thomas Anthony, J.A. KEMP & CO. 14 South Square Gray's Inn, London WC1R 5JJ, GB
AGN 50352
LAF Japanese
LA English
LAP English
TL German; English; French
DT Patent
PIT EPA1 Application published with search report
PI EP 1197139 A1 20020417
WO 2001001762 20010111
DS AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE
AI EP 2000-940934 A 20000704
WO 2000-JP4425 A 20000704
PRAI JP 1999-190318 A 19990705
IC.VER 7
ICM A01H005-00
ICS C12N005-14; C12N015-52; C12N015-82; C12N009-10

L3 ANSWER 10 OF 16 PCTFULL COPYRIGHT 2005 Univentio on STN
AN 2002022675 PCTFULL ED 20020705 EW 200212
TIEN PLANT GENES, THE EXPRESSION OF WHICH ARE ALTERED BY PATHOGEN INFECTION
TIFR GENES DE PLANTES DONT L'EXPRESSION EST MODIFIEE PAR L'INFECTION PAR UN PATHOGENE
IN GLAZEBROOK, Jane, 4503 Ocean Valley Lane, San Diego, CA 92130, US [US, US];
WANG, Xun, 12524 Caminito Vista Soledad, San Diego, CA 92121, US [US, —];
DANGL, Jeffrey, L., 601 Jones Ferry Road, Apt. B, Carrboro, NC 27510, US [US, US];
EULGEM, Thomas, 605 Jones Ferry Road, Apt. VV1, Carrboro, NC 27510, US [US, US];
ZHU, Tong, 5260 Caminito Exquisito, San Diego, CA 92130, US [US, —]
PA SYNGENTA PARTICIPATIONS AG, Schwarzwaldalle 215, CH-4058 Basel, CH [CH, CH], for all designates States except US;
UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL, 300 Bynum Hall, Campus Box 4100, Chapel Hill, NC 27599-4100, US [US, US], for all designates States except US;
GLAZEBROOK, Jane, 4503 Ocean Valley Lane, San Diego, CA 92130, US [US, US];
WANG, Xun, 12524 Caminito Vista Soledad, San Diego, CA 92121, US [US, —];
DANGL, Jeffrey, L., 601 Jones Ferry Road, Apt. B, Carrboro, NC 27510, US [US, US];
EULGEM, Thomas, 605 Jones Ferry Road, Apt. VV1, Carrboro, NC 27510, US [US, US];
ZHU, Tong, 5260 Caminito Exquisito, San Diego, CA 92130, US [US, —]
AG VIKSNINS, Ann, S., Schwegman, Lunberg, Woessner & Kluth, P.O. Box 2938, Minneapolis, MN 55402, US
LAF English
LA English
DT Patent
PI WO 2002022675 A2 20020321
DS W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PH PL PT RO RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZW
RW (ARIPO): GH GM KE LS MW MZ SD SL SZ TZ UG ZW
RW (EAPO): AM AZ BY KG KZ MD RU TJ TM

RW (EPO): AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
RW (OAPI): BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
AI WO 2001-US28506 A 20010914
PRAI 2000-60/232,778 20000915
US 2000-60/232,778 20000915
US 2001-60/300,183 20010622
US 2001-60/300,183 20010622
ICM C07K014-415

L3 ANSWER 11 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4
AN 2001:31254 CAPLUS
DN 134:96241
TI **Transgenic rice** with iron deficiency tolerance having nicotianamine aminotransferase gene
IN Mori, Satoshi; Nakanishi, Hiromi; Takahashi, Michiko; Nishizawa, Naoko
PA Japan Science and Technology Corporation, Japan
SO PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DT Patent
LA Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001001762	A1	20010111	WO 2000-JP4425	20000704
W: AU, CN, IN, KR, US				
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 2001017012	A2	20010123	JP 1999-190318	19990705
EP 1197139	A1	20020417	EP 2000-940934	20000704
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
AU 772529	B2	20040429	AU 2000-55728	20000704
PRAI JP 1999-190318	A	19990705		
WO 2000-JP4425	W	20000704		

RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 12 OF 16 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN
AN 2002:5754 BIOSIS
DN PREV200200005754
TI The role of mugineic acid in iron acquisition: Progress in cloning the genes for **transgenic rice**.
AU Mori, Satoshi [Reprint author]
CS Department of Applied Biological Chemistry, Division of Agriculture and Agricultural Life Science, University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo, 113-0032, Japan
SO Ae, N. [Editor]; Arihara, J. [Editor]; Okada, K. [Editor]; Srinivasan, S. [Editor]. (2001) pp. 120-139. Plant nutrient acquisition: New perspectives. print.
Publisher: Springer-Verlag GmbH and Co. KG, Heidelberger Platz 3, D-14197, Berlin, Germany; Springer-Verlag New York Inc., 175 Fifth Avenue, New York, NY, 10010-7858, USA.
ISBN: 4-431-70281-4 (cloth).
DT Book
Book; (Book Chapter)
LA English
ED Entered STN: 28 Dec 2001
Last Updated on STN: 25 Feb 2002

L3 ANSWER 13 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5
AN 2001:337778 CAPLUS

DN 135:74078
TI Enhanced tolerance of rice to low iron availability in alkaline soils using barley nicotianamine aminotransferase genes
AU Takahashi, Michiko; Nakanishi, Hiromi; Kawasaki, Shinji; Nishizawa, Naoko K.; Mori, Satoshi
CS Lab. Plant Moleuclar Physiology, Univ. Tokyo, Tokyo, 113-8657, Japan
SO Nature Biotechnology (2001), 19(5), 466-469
CODEN: NABIF9; ISSN: 1087-0156
PB Nature America Inc.
DT Journal
LA English
RE.CNT 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 14 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2000:607224 CAPLUS
DN 134:71001
TI Production of plants with resistance to iron deficiency in alkali soil
AU Mori, Satoshi
CS Graduate School, University of Tokyo, Japan
SO Nogyo oyobi Engei (2000), 75(8), 887-894
CODEN: NOOEAJ; ISSN: 0369-5247
PB Yokendo
DT Journal; General Review
LA Japanese

L3 ANSWER 15 OF 16 CAPLUS COPYRIGHT 2005 ACS on STN
AN 2000:656320 CAPLUS
DN 134:56111
TI Plant nutrition - perspective for the new century. I. Genetic engineering of **transgenic rice** tolerant to iron deficiency in calcareous soil
AU Mori, Satoshi
CS Japan
SO Nippon Dojo Hiryogaku Zasshi (2000), 71(4), 565-574
CODEN: NIDHAX; ISSN: 0029-0610
PB Nippon Dojo Hiryo Gakkai
DT Journal; General Review
LA Japanese

L3 ANSWER 16 OF 16 WPIDS COPYRIGHT 2005 THE THOMSON CORP on STN
AN 1989-249008 [34] WPIDS
CR 1991-164219 [22]
DNC C1989-110985
TI New pure N-alpha-acetyl transferase and DNA encoding it - catalysing acetylation of proteins and peptide(s), e.g. to stabilise pharmaceuticals or induce herbicide resistance in plants.
DC B04 D16
IN LEE, F S; SMITH, J A; LEE, F J S
PA (GEHO) GEN HOSPITAL CORP
CYC 22
PI WO 8907138 A 19890810 (198934)* EN 72
W: AU DK JP KR
EP 334004 A 19890927 (198939) EN
R: AT BE CH DE ES FR GB GR IT LI LU NL SE
PT 89611 A 19891004 (198945)
AU 8931969 A 19890825 (198947)
ZA 8900896 A 19891025 (198948)
US 4966848 A 19901030 (199046)
DK 9001863 A 19900803 (199050)
JP 03502403 W 19910606 (199129)
US 5128459 A 19920707 (199230) 31 C12N015-54

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     EP 334004        B1 19931118 (199346)  EN    42     C12N009-10
        R: AT BE CH DE ES FR GB GR IT LI LU NL SE
     DE 68910713      E  19931223 (199401)              C12N009-10
     US 5283188       A  19940201 (199406)        31    C12N009-10
     ES 2061745       T3 19941216 (199505)              C12N009-10
ADT  WO 8907138 A WO 1989-US471 19890207; EP 334004 A EP 1989-102006 19890206;
     ZA 8900896 A ZA 1989-896 19890206; US 4966848 A US 1988-284344 19881214;
     JP 03502403 W JP 1989-502776 19890207; US 5128459 A CIP of US 1988-153361
     19880208, Div ex US 1988-284344 19881214, US 1990-533353 19900605; EP
     334004 B1 EP 1989-102006 19890206; DE 68910713 E DE 1989-610713 19890206,
     EP 1989-102006 19890206; US 5283188 A CIP of US 1988-153361 19880208, Div
     ex US 1988-284344 19881214, Div ex US 1990-533353 19900605, US 1992-863023
     19920403; ES 2061745 T3 EP 1989-102006 19890206
FDT  US 5128459 A Div ex US 4966848; DE 68910713 E Based on EP 334004; US
     5283188 A Div ex US 4966848, Div ex US 5128459; ES 2061745 T3 Based on EP
     334004
PRAI US 1988-153361       19880208; US 1988-284344       19881214
IC   ICM  C12N009-10; C12N015-54
     ICS  A01H001-00; A01H005-00; C12N005-00; C12N015-55; C12N015-74;
          C12N015-79; C12N015-81; C12P019-34


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                                                      ENTRY    SESSION
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LAST RELOADED: Mar 11, 2005 (20050311/UP).

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     FILE 'STNGUIDE' ENTERED AT 10:00:17 ON 16 MAR 2005

     FILE 'CAPLUS, BIOSIS, AGRICOLA, MEDLINE, CAOLD, CASREACT, CROPU, DGENE,
     DPCI, ENCOMPPAT, EPFULL, FRANCEPAT, FRFULL, FSTA, IFIPAT, IMSPATENTS,
     INPADOC, JAPIO, KOREAPAT, LITALERT, NTIS, PAPERCHEM2, PATDD, PATDPA,
     PATDPAFULL, PCTFULL, PCTGEN, PIRA, PROUSDDR, ...' ENTERED AT 10:01:05 ON
     16 MAR 2005
L1          107 S ((NICOTIANAMINE (W) AMINE (W) TRANSFERASE) OR NAAT) (3A) (GEN
L2           24 S L1 AND (TRANSGENIC OR TRANSFORM?) (3A) (PLANT OR BARLEY OR R
L3           16 DUP REMOV L2 (8 DUPLICATES REMOVED)
L4            1 S L3 NOT PY>1999

     FILE 'STNGUIDE' ENTERED AT 10:32:07 ON 16 MAR 2005
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